

ABSTRACT

A multi-mode scanning imaging system. The system includes a plurality of sets of optical elements and a scanning mechanism. Each set is disposed with respect to a corresponding image plane and configured to image respective portions of an object. A scanning mechanism produces relative translation between the sets and the object so as to scan the object. Sets of image sensors corresponding to the sets of optical elements are adapted to capture image data representative of the respective portions of the object. A mode implementation system coordinates the image data according to one or more desired modes of operation of the imaging system.